

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5**

IN THE MATTER OF:

**NBM Metals, Inc.
5311 West River Road N.
Lorain, OH 44055**

ATTENTION:

**João C.F. Saraiva
General Manager**

Request to Provide Information Pursuant to the Clean Air Act

The U.S. Environmental Protection Agency is requiring NBM Metals, Inc. (NBM or you) to submit certain information about its facility located at 5311 West River Road N., Lorain, Ohio. Appendix A provides the instructions needed to answer this information request, including instructions for electronic submissions. Appendices B and C specify the information that you must submit. You must send this information to us according to the schedules contained in each appendix.

We are issuing this information request under Section 114(a) of the Clean Air Act (the CAA), 42 U.S.C. § 7414(a). Section 114(a) authorizes the Administrator of EPA to require the submission of information. The Administrator has delegated this authority to the Director of the Air and Radiation Division, Region 5.

NBM owns and operates an emission source at the Lorain, Ohio facility. We are requesting this information to determine whether your emission source is complying with the Ohio State Implementation Plan and applicable CAA regulations.

NBM must send all required information to:

Attn: Compliance Tracker, AE-18J
Air Enforcement and Compliance Assurance Branch

U.S. Environmental Protection Agency
Region 5
77 W. Jackson Boulevard
Chicago, Illinois 60604

NBM must submit all required information under an authorized signature with the following certification:

I certify under penalty of law that I have examined and am familiar with the information in the enclosed documents, including all attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are, to the best of my knowledge and belief, true and complete. I am aware that there are significant penalties for knowingly submitting false statements and information, including the possibility of fines or imprisonment pursuant to Section 113(c)(2) of the Clean Air Act and 18 U.S.C. §§ 1001 and 1341.

As explained more fully in Appendix D, you may assert a claim of business confidentiality under 40 C.F.R. Part 2, Subpart B for any part of the information you submit to us. Information subject to a business confidentiality claim is available to the public only to the extent, and by means of the procedures, set forth at 40 C.F.R. Part 2, Subpart B. If you do not assert a business confidentiality claim when you submit the information, EPA may make this information available to the public without further notice. You should be aware, moreover, that pursuant to Section 114(c) of the CAA and 40 C.F.R. § 2.301(a) and (f), emissions data, standards, and limitations are not entitled to confidential treatment and shall be made available to the public notwithstanding any assertion of a business confidentiality claim. Appendix D provides additional information regarding the meaning and scope of the term “emissions data.”

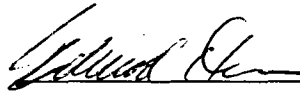
This information request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 *et seq.*, because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation.

We may use any information submitted in response to this request in an administrative, civil or criminal action.

Failure to comply fully with this information request may subject NBM to an enforcement action under Section 113 of the CAA, 42 U.S.C. § 7413.

You should direct any questions about this information request to David Sutlin at 312-353-8990.

3/13/17
Date



Edward Nam
Director
Air and Radiation Division

Appendix A

When providing the information requested in Appendices B and C, use the following instructions and definitions.

Instructions

1. Provide a separate narrative response to each question and subpart of a question set forth in Appendices B and C.
2. Precede each answer with the number of the question to which it corresponds and, at the end of each answer, identify the person(s) who provided information used or considered in responding to that question, as well as each person consulted in the preparation of that response.
3. Indicate on each document produced, or in some other reasonable manner, the number of the question to which it corresponds.
4. When a response is provided in the form of a number, specify the units of measure of the number in a precise manner.
5. Where information or documents necessary for a response are neither in your possession nor available to you, indicate in your response why the information or documents are not available or in your possession, and identify any source that either possesses or is likely to possess the documents or information.
6. If information not known or not available to you as of the date of submission later becomes known or available to you, you must supplement your response. Moreover, should you find at any time after the submission of your response that any portion of the submitted information is false or incorrect, you must notify EPA as soon as possible.

Electronic Submissions

To aid in our electronic recordkeeping efforts, we request that you provide all documents responsive to this information request in an electronic format according to paragraphs 1 through 6, below. These submissions are in lieu of hard copy.

1. Provide all responsive documents in Portable Document Format (PDF) or similar format, unless otherwise requested in specific questions. If the PDFs are scanned images, perform at least Optical Character Recognition (OCR) for “image over text” to allow the document to be searchable. Submitters providing secured PDFs should also provide unsecured versions for EPA use in repurposing text.
2. When specific questions request data in electronic spreadsheet form, provide the data and corresponding information in editable Excel or Lotus format, and not in image format. If Excel or Lotus formats are not available, then the format should allow for data to be used in calculations by a standard spreadsheet program such as Excel or Lotus.

3. Provide submission on physical media such as compact disk, flash drive or other similar item.
4. Provide a table of contents for each compact disk or flash drive containing electronic documents submitted in response to our request so that each document can be accurately identified in relation to your response to a specific question. *We recommend the use of electronic file folders organized by question number.* In addition, each compact disk or flash drive should be labeled appropriately (e.g., Company Name, Disk 1 of 4 for Information Request Response, Date of Response).
5. Documents claimed as confidential business information (CBI) must be submitted on separate disks/drives apart from the non-confidential information. This will facilitate appropriate records management and appropriate handling and protection of the CBI. Please follow the instructions in Appendix D for designating information as CBI.
6. Certify that the attached files have been scanned for viruses and indicate what program was used.

Definitions

All terms used in this information request have their ordinary meaning unless such terms are defined in the Clean Air Act, 42 U.S.C. §§ 7401 *et seq.*

1. The terms “document” and “documents” shall mean any object that records, stores, or presents information, and includes writings, memoranda, records, or information of any kind, formal or informal, whether wholly or partially handwritten or typed, whether in computer format, memory, or storage device, or in hardcopy, including any form or format of these. If in computer format or memory, each such document shall be provided in translation to a form useable and readable by EPA, with all necessary documentation and support. All documents in hard copy should also include attachments to or enclosures with any documents.
2. The term “relate to” (or any form thereof) shall mean constituting, reflecting, representing, supporting, contradicting, referring to, stating, describing, recording, noting, embodying, containing, mentioning, studying, analyzing, discussing, evaluating, or relevant to.

Appendix B

Information You Are Required to Submit to EPA

Emissions Testing

NBM Metals, Inc. (NBM) must respond to this information request pursuant to Section 114(a) of the Clean Air Act, 42 U.S.C. § 7414(a) by performing testing at its facility at 5311 West River Road N., Lorain, Ohio (the Facility). NBM must submit an emission test plan, conduct emission testing, and submit all other information requested in accordance with the schedule specified below:

Submit Testing Protocol	Within thirty (30) calendar days of receipt of this request
Notification of Intent to Test	Not less than twenty-one (21) calendar days before testing
Complete Testing	Within thirty (30) calendar days of protocol approval by EPA and ninety (90) calendar days of receipt of this request
Submit Testing Report	Within thirty (30) calendar days of completion of testing

1. Within ninety (90) calendar days of the receipt of this request, NBM must perform emission testing at the exhaust stack for the baghouse serving all active horizontal and vertical melting/casting stations. At the time of EPA's inspection of the Facility, five of the following eight emission units were in operation: P026, P029, P030, P031, P032, P033, P034, and P035. If any additional units are now active, they should be operating during the test. The emission test must quantify the mass emission rate and concentration of filterable particulate matter and lead by performing outlet testing using EPA Reference Methods 1-5 and 12.
2. Testing conducted pursuant to Item 1 must include an additional sampling site at the inlet to the baghouse in order to calculate the PM control efficiency of the baghouse.
3. During the testing conducted pursuant to Item 1, NBM shall monitor and record the operating parameters of each relevant process unit.
4. During the testing conducted pursuant to Item 1, NBM shall operate the Facility at maximum production rates (greater than 95% capacity) and under representative conditions, while producing the highest lead content alloy made by the Facility.
5. Within thirty (30) calendar days of the receipt of this request, NBM shall submit to EPA and Ohio EPA a proposed testing protocol that completely describes the methods and procedures for testing at each unit, including all relevant operating parameters. The protocol shall state the proposed level of production during emission testing, as well as maximum and average production rates at processes associated

with each emission point; shall state what procedures will be utilized to minimize unmeasured emissions; and, shall fully address the requirements of Items 1 - 4 of this information request. NBM shall conduct the testing under a protocol approved in advance by EPA. NBM shall submit the protocol via e-mail to David Sutlin at sutlin.david@epa.gov and to Ohio EPA through eBusiness Center: Air Services at ebiz.epa.ohio.gov. EPA will provide approval or comments on the testing protocol via e-mail.

6. At least twenty (21) calendar days prior to the planned test(s), NBM shall submit notification to EPA and Ohio EPA of its intent to perform emission testing. NBM shall submit this notice via e-mail to David Sutlin at sutlin.david@epa.gov and to Ohio EPA through eBusiness Center: Air Services at ebiz.epa.ohio.gov.
7. Within thirty (30) calendar days after completion of the test(s), NBM shall submit a complete report of the emissions testing, including, at minimum, the following:
 - a. Summary of Results
 - i. Results of the above-specified emission test(s);
 - ii. Process and control equipment data recorded during the test(s), including pressure drop across the baghouse;
 - iii. Discussion of any errors that occurred during testing;
 - iv. Discussion of any deviations from the reference test methods or other problems encountered during the test;
 - v. Lead content of metal(s) charged to furnaces during the testing; and
 - vi. Data on the production rate during testing (weight of alloy produced; weight of each charge and flux material used; the charcoal and graphite content of each flux used; and the composition of each charge material used).
 - b. Facility Operations
 - i. Description of the process and control equipment in operation during the test(s);
 - ii. Operating parameters of any control equipment in operation during the test(s);
 - iii. Facility operating parameters and data, including an explanation of how the operating parameters demonstrate that the process units were operated at maximum production rates at the time of the test.
 - c. Sampling and Analytical Procedures
 - i. Sampling port location(s) and dimensions of cross-section;
 - ii. Sampling point description, including labeling system;
 - iii. Brief description of sampling procedures, including equipment and diagram;
 - iv. Description of sampling procedures (planned or accidental) that deviated from any standard method;
 - v. Brief description of analytical procedures, including calibration;

- vi. Description of analytical procedures (planned or accidental) that deviated from any standard method; and
 - vii. Quality control/quality assurance procedures, tests, and results.
- d. Appendix
- i. Complete results with example calculations;
 - ii. Raw field data (original, not computer printouts);
 - iii. Laboratory report, with signed chain-of-custody forms;
 - iv. Calibration procedures and results;
 - v. Raw process and equipment data, signed by a plant representative;
 - vi. Test log(s); and
 - vii. Project participants and titles.

Appendix C

Information You Are Required to Submit to EPA

Information Requests

NBM Metals, Inc. (NBM) must submit the following information pursuant to Section 114(a) of the Clean Air Act, 42 U.S.C. § 7414(a), within sixty (60) calendar days of its receipt of this letter.

1. Provide a spreadsheet (in Excel-compatible format) of all feed/charge materials used at the Facility from January 1, 2013 through the date of receipt of this request. For each feed/charge material include the name(s) of the supplier(s) and the chemical composition of the charge.
2. Provide a spreadsheet (in Excel-compatible format) of the lead content and associated MSDS/SDS for each lead-containing alloy produced at the Facility.
3. Provide a spreadsheet (in Excel-compatible format) of Facility production logs from January 1, 2013 through the date of receipt of this request. Production logs should be broken down by furnace and should include, at minimum, the mass of each feed/charge used, the mass of each alloy produced, and associated operating parameters.
4. Provide a spreadsheet (in Excel-compatible format) of monthly lead and particulate matter (PM) emissions calculations, including a rolling 12-month average. Provide emissions calculations from January 1, 2013 through the date of receipt of this request. Include in your response a narrative describing the method used for the emissions calculations, including the basis of any emissions factors or assumptions used, and any documents outlining procedures for calculating emissions.
5. Provide copies of all emission reports submitted to Ohio EPA since January 2013 and include:
 - a. A narrative describing the method used for annual emissions calculations for each pollutant, including the basis of any emissions factors used; and
 - b. Any documents outlining procedures for calculating annual emissions.
6. Provide copies of all deviation and compliance reports submitted to Ohio EPA since January 2013.
7. Provide copies of all notifications and reports, pursuant to any National Emission Standards for Hazardous Air Pollutants applicable to the Facility, submitted for the Facility to Ohio EPA under 40 C.F.R. Part 63, from January 2010 to the present.

8. Provide the following information for the 90,000 cubic feet per minute baghouse serving the furnaces at the Facility, from January 2013 to the date of receipt of this request:
- a. Is the baghouse positive or negative pressure?
 - b. Does the baghouse have a single-stack or multi-stacks?
 - c. Is the baghouse modular?
 - d. Baghouse type (*e.g.*, pulse jet);
 - e. Fabric filter material used and manufacturer specifications;
 - f. Fan type, fan capacity, fan speed during operation, and fan curve. For fan speed, include reference documents used to determine the required fan speed;
 - g. Air to cloth ratio;
 - h. Copy of the manufacturer's specifications and recommended operating and maintenance procedures;
 - i. Records of the differential pressure readings taken at baghouse;
 - j. Inspection, maintenance, and repair logs; and
 - k. Copies of all visible emissions reports, as required by the Facility's Permit-to-Install and Operate P0104000 issued by Ohio EPA on December 4, 2008.

Appendix D

Confidential Business and Personal Privacy Information

Assertion Requirements

You may assert a business confidentiality claim covering any parts of the information requested in the attached Appendices B and C, as provided in 40 C.F.R. § 2.203(b).

Emission data provided under Section 114 of the Clean Air Act (CAA), 42 U.S.C. § 7414, is not entitled to confidential treatment under 40 C.F.R. Part 2.

“Emission data” means, with reference to any source of emissions of any substance into the air:

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of any emission which has been emitted by the source (or of any pollutant resulting from any emission by the source), or any combination of the foregoing;

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of the emissions which, under an applicable standard or limitation, the source was authorized to emit (including to the extent necessary for such purposes, a description of the manner and rate of operation of the source); and

A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources (including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source).

40 C.F.R. § 2.301(a)(2)(i)(A), (B) and (C).

To make a confidentiality claim, submit the requested information and indicate that you are making a claim of confidentiality. Any document for which you make a claim of confidentiality should be marked by attaching a cover sheet stamped or typed with a caption or other suitable form of notice to indicate the intent to claim confidentiality. The stamped or typed caption or other suitable form of notice should employ language such as “trade secret” or “proprietary” or “company confidential” and indicate a date, if any, when the information should no longer be treated as confidential. Information covered by such a claim will be disclosed by EPA only to the extent permitted and by means of the procedures set forth at Section 114(c) of the CAA and 40 C.F.R. Part 2. Allegedly confidential portions of otherwise non-confidential documents should be clearly identified. EPA will construe the failure to furnish a confidentiality claim with your response to the information request as a waiver of that claim, and the information may be made available to the public without further notice to you.

Determining Whether the Information Is Entitled to Confidential Treatment

All confidentiality claims are subject to EPA verification and must be made in accordance with 40 C.F.R. § 2.208, which provides in part that you must satisfactorily show: that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so, that the information is not and has not been reasonably obtainable by legitimate means without your consent and that disclosure of the information is likely to cause substantial harm to your business's competitive position.

Pursuant to 40 C.F.R. Part 2, Subpart B, EPA may at any time send you a letter asking that you support your confidential business information (CBI) claim. If you receive such a letter, you must respond within the number of days specified by EPA. Failure to submit your comments within that time would be regarded as a waiver of your confidentiality claim or claims, and EPA may release the information. If you receive such a letter, EPA will ask you to specify which portions of the information you consider confidential by page, paragraph and sentence. Any information not specifically identified as subject to a confidentiality claim may be disclosed to the requestor without further notice to you. For each item or class of information that you identify as being CBI, EPA will ask that you answer the following questions, giving as much detail as possible:

1. For what period of time do you request that the information be maintained as confidential, *e.g.*, until a certain date, until the occurrence of a special event or permanently? If the occurrence of a specific event will eliminate the need for confidentiality, please specify that event.
2. Information submitted to EPA becomes stale over time. Why should the information you claim as confidential be protected for the time period specified in your answer to question number 1?
3. What measures have you taken to protect the information claimed as confidential? Have you disclosed the information to anyone other than a governmental body or someone who is bound by an agreement not to disclose the information further? If so, why should the information still be considered confidential?
4. Is the information contained in any publicly available databases, promotional publications, annual reports or articles? Is there any means by which a member of the public could obtain access to the information? Is the information of a kind that you would customarily not release to the public?
5. Has any governmental body made a determination as to confidentiality of the information? If so, please attach a copy of the determination.
6. For each category of information claimed as confidential, explain with specificity why release of the information is likely to cause substantial harm to your competitive position. Explain the specific nature of those harmful effects, why they should be viewed as

substantial and the causal relationship between disclosure and such harmful effects. How could your competitors make use of this information to your detriment?

7. Do you assert that the information is submitted on a voluntary or a mandatory basis? Please explain the reason for your assertion. If you assert that the information is voluntarily submitted information, explain whether and why disclosure of the information would tend to lessen the availability to EPA of similar information in the future.
8. Is there any other information you deem relevant to EPA's determination regarding your claim of business confidentiality?

If you receive a request for a substantiation letter from the EPA, you bear the burden of substantiating your confidentiality claim. Conclusory allegations will be given little or no weight in the determination. In substantiating your CBI claim(s), you must bracket all text so claimed and mark it "CBI." Information so designated will be disclosed by EPA only to the extent allowed by and by means of the procedures set forth in 40 C.F.R. Part 2, Subpart B. If you fail to claim the information as confidential, it may be made available to the public without further notice to you.

Personal Privacy Information

Please segregate any personnel, medical and similar files from your responses and include that information on a separate sheet(s) marked as "Personal Privacy Information." Disclosure of such information to the general public may constitute an invasion of privacy.

CERTIFICATE OF MAILING

I certify that I sent a Request to Provide Information Pursuant to the Clean Air Act by

Certified Mail, Return Receipt Requested, to:

João C.F. Saraiva
General Manager
NBM Metals, Inc.
5311 West River Road N.
Lorain, Ohio 44055

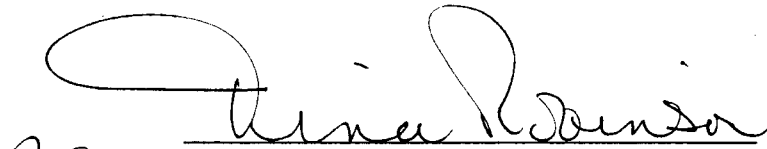
I also certify that I sent a copy of the Request to Provide Information Pursuant to the

Clean Air Act by E-mail to:

Bob Hodanbosi, Chief
Division of Air Pollution Control
bob.hodanbosi@epa.ohio.gov

Tim Fischer
Division of Air Pollution Control
Northeast District Office
tim.fischer@epa.ohio.gov

On the 14th day of March 2017.


Kathy Jones, Program Technician
AECAB, PAS

CERTIFIED MAIL RECEIPT NUMBER: 7014 2870 0201 9579 1827